

Interactive comment on “Ice-shelf damming in the glacial Arctic Ocean: dynamical regimes of a basin-covering kilometre thick ice shelf” by Johan Nilsson et al.

C. R. Stokes (Editor)

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Dear Johan,

You will, by now, have received formal notification that the open discussion of your manuscript has closed.

I would like to thank Thomas Cronin and the anonymous referee for their comments, both of which were very favourable and were restricted to minor edits. My own reading of the manuscript is that it represents a very valuable contribution to the ongoing debates about the viability and timing of Arctic Ocean ice shelves. As the reviewers note,

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some aspects are highly technical, but these sections are required and this manuscript is particularly impressive in terms of explaining and discussing the key results and implications of the modelling. As such, I would certainly encourage you to submit a revised manuscript.

In addition to the reviewer edits, do carefully check your use of commas versus full-stops when referring to dates (e.g. line 2 of page 2 – the latter should be a full stop). In relation to section 5.2, it would also be helpful to quantify what you mean by “gigantic” in relation to the mass flux.

I look forward to receiving a revised version of the manuscript in due course.

If you have any queries, please do not hesitate to get in touch.

Kind regards,

Chris Stokes Editor

Interactive comment on The Cryosphere Discuss., <https://doi.org/10.5194/tc-2017-37>, 2017.

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